

### Abstract of the Disclosure

A high shear rotating disc filter having a hollow interior and constructed of a porous material such as sintered metal or ceramic with finely structured openings. The disc is mounted and secured onto a hollow shaft. The hollow shaft is connected to a vacuum source, external to the filter, that allows for the passage of the filtrate to a receiver. There are elongated slots in the wall of the shaft which provide the passage of filtrate from the disc. The shaft provides rotational force for the discs.